

Stem Cell Engineering: A New Biomedical Revolution

Industry & Stem Cells in California: Fostering R&D

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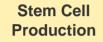


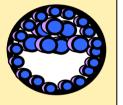
Mission

Novocell is
a stem cell engineering company
creating, delivering and commercializing
cell and drug therapies
for diabetes and other chronic diseases

Novocell, Inc.

Stem Cell Engineering; A Transforming & Disruptive Technology



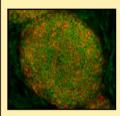


Isolation

GMP Banks

Consented Embryo Banks

Stem Cell Culture



Expansion

Karyotypically Normal

Cancer Stem Cells

Lineage Differentiation

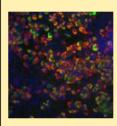


Definitive Endoderm

Signaling & Gene Expression

Developmental Biology

Functional Cells

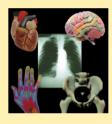


Scale up

Safety & Delivery

Drug Discovery

Chronic Diseases



Diabetes

Liver Disease

Cancer

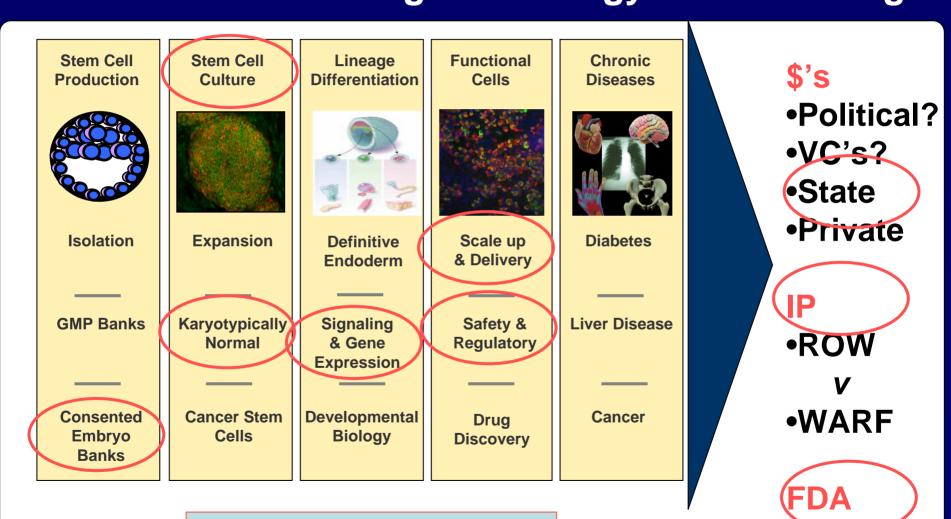


Cell Therapy



Small Molecules Peptides & Antibodies

Novocell, Inc. Stem Cell Engineering: A Transforming Technology With Challenges



How could CIRM Help?



CIRM & Stem Cell Companies: Creating Global Leadership in Regenerative Medicine

- Grant Support
 - Payback....royalties, milestones and or IP?
- Freedom To Operate
 - WARF?
- Research and Development
 - Recruiting and training new talent
 - Creating core facilities including manufacturing
 - CRO focused on Stem Cell product development
 - FDA education
- Stimulates California's Biomedical Economy